

1"  $\Phi$  ASTM Type 304 A stainless steel hex. head bolt with stainless steel lock washer @ 9" c/c in 4" x 3" x 1" deep slotted recess with 2" x 1/16" slotted hole (typ.).

3" sp. @ 3" = 9" = 9"

"W" = 1'-6" min.

"L" = 10" min.

Bevel sides of fingers 1/8" / inch

\* at bottom of finger plate

$\Phi$  joint between segments, butt and weld segments at  $\Phi$  valley between fingers. Locate joints as near as possible to a lane line. Plate segments must be segments equal to twice the girder spacing at  $\Phi$  of bearing.

3" typ.

2 1/2"

Gutter line

Finger plate to extend 3/4" (normal to parapet) beyond face of parapet.

5/16"  $\Phi$  x 3/8" high anti-skid cylinder studs (typ.). Move as required to miss vent holes.

Face of joint angle

Note: Finger plate thickness "T" = 2" minimum.

3"

3/4"

$\Phi$  finger joint

\* \* Space bolts @ 9" c/c so that end distances are equal (3" min. to 7 1/2" max.)

Bevel top of fingers (1/4" in 4" @ end of finger.

R = 1" \*

R = 3/4" \*

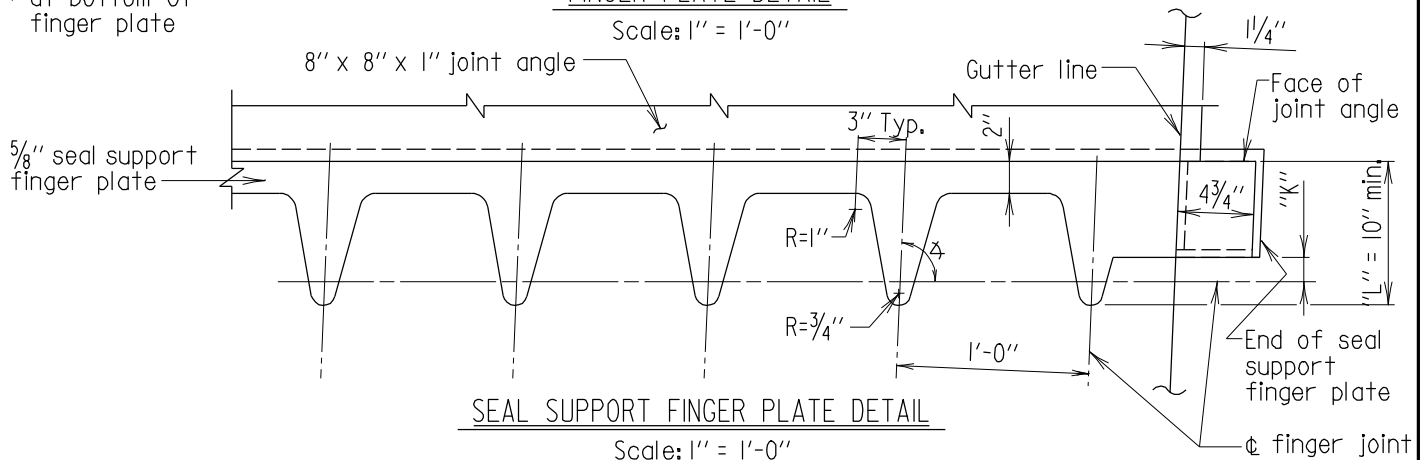
3" 3" 6" 4"

**FINGER PLATE DETAIL**

Scale: 1" = 1'-0"

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### SEAL SUPPORT FINGER PLATE DETAIL

Scale: 1" = 1'-0"

JOINT OPENING TABLE (INCHES)							
LOCATION OF JOINT		JOINT OPENING AT					
		40° F.	50° F.	60° F.	70° F.	80° F.	90° F.
	J	.	.	.	.	.	.
	K	.	.	.	.	.	.
	B	.	.	.	.	.	.

" $\Delta$ " = Skew Angle of straight bridges, angle along which the bridge expands, and contracts for curved bridges.

"4" =

APPROVAL	
<u>E.S. Friedman</u> DIRECTOR OFFICE OF BRIDGE DEVELOPMENT	
DATE: 11/17/97	
REVISIONS	
SHA	FHWA
1-22-01	.
8-19-04	.
10-17-05	.
.	.

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF BRIDGE DEVELOPMENT

FINGER JOINT DETAILS (34" F-SHAPE PARAPET)  
FOR BRIDGES WITH STEEL STRINGERS  
WITH SKEW ANGLES BETWEEN 50° AND 90°

STANDARD NO. BR-SS(7.18)-97-321A

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